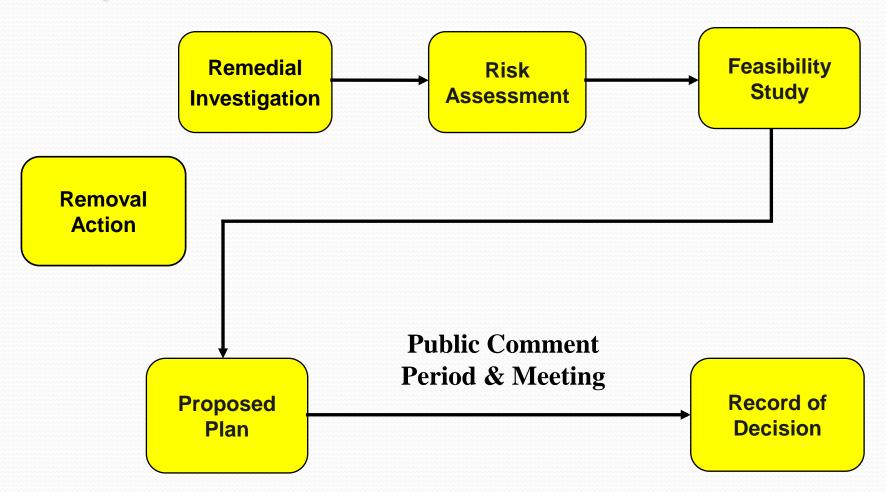
Remedial Investigation & Feasibility Study Update

San Jacinto River Waste Pits Superfund Site

Public Meeting
September 22, 2011



Superfund Process





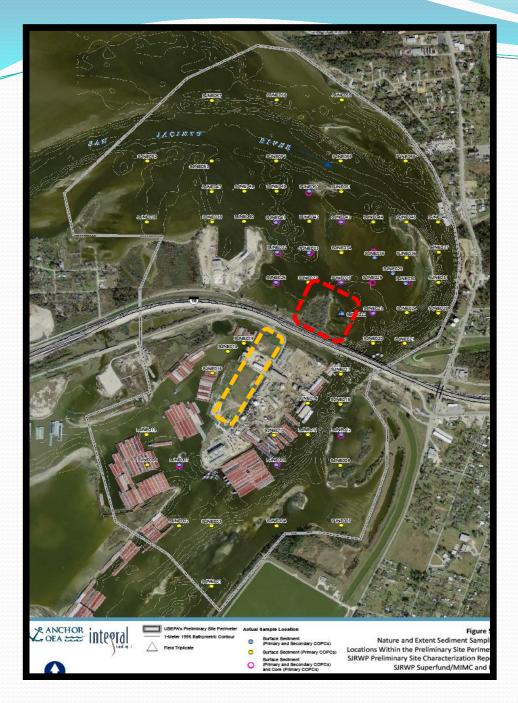
RI/FS Field Investigations

Work is being done by the site Potentially Responsible Parties under oversight of EPA, TCEQ, and other agencies.

Sample/Data Collection:

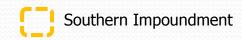
- Sediment samples on the Site & background areas.
- Soil samples collected on the Site & background areas.
- Groundwater samples (shallow & deep) below impoundments.
- Tissue samples (catfish, crab, killifish & clams) on the Site & background.
- > Fate & transport studies.



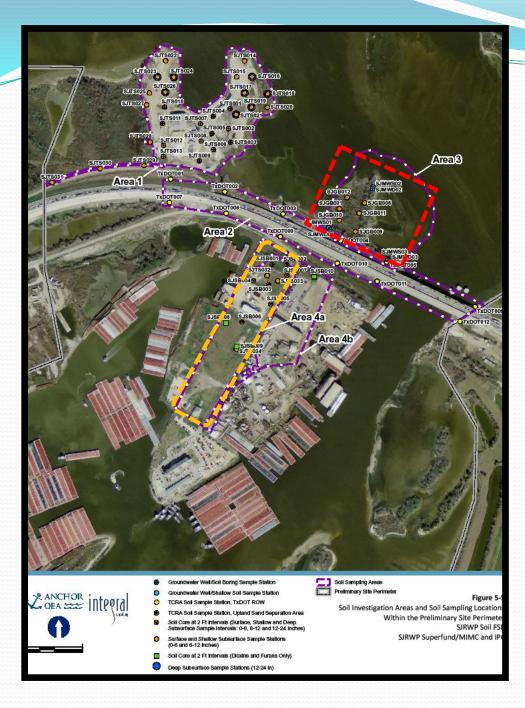


River sediment samples within preliminary site boundary.



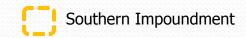




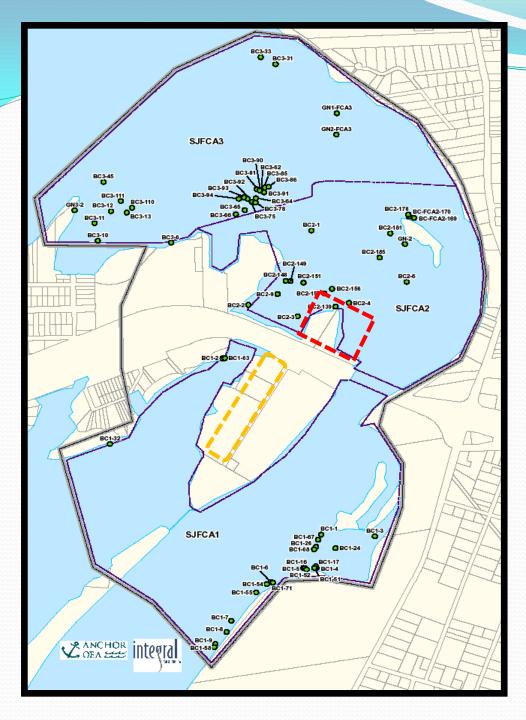


Soil samples within preliminary site boundary.









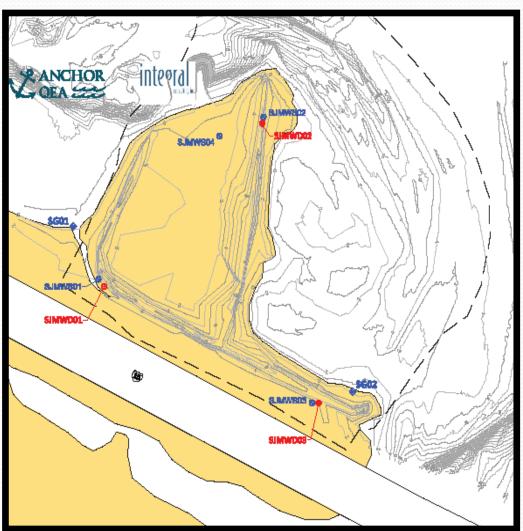
Hardhead catfish sample locations within preliminary site boundary.





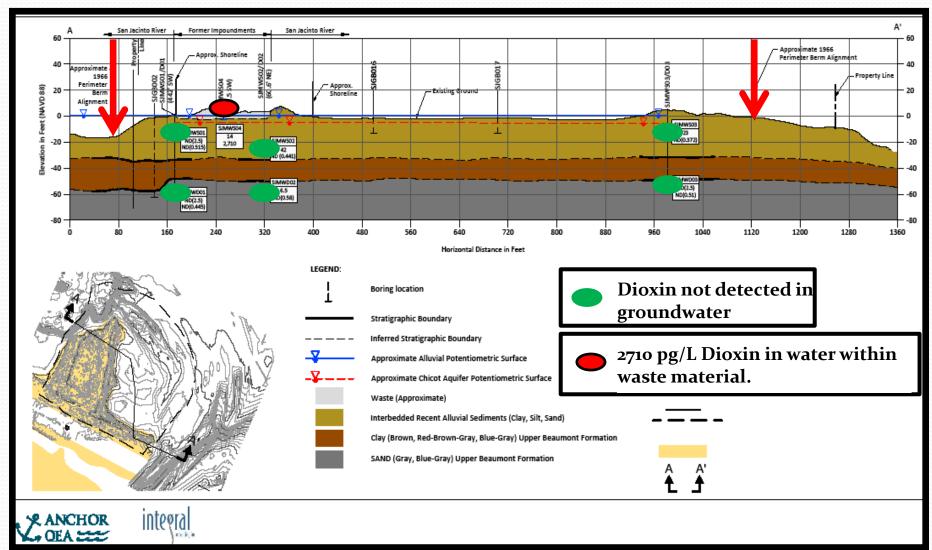
Groundwater sample locations







Groundwater Cross-Section



Future Work

Sampling/Analysis:

- Chemical fate and transport analysis.
- Additional sampling in Southern Impoundment.
- Additional background sediment and tissue sampling.

Reports:

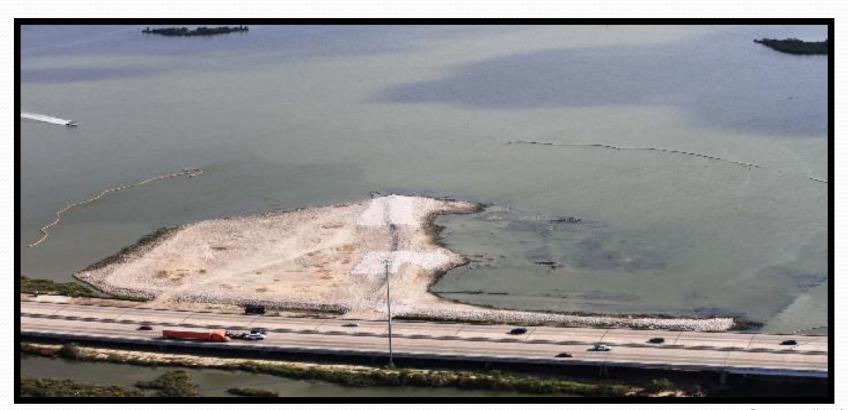
- June 2012: Baseline Ecological Risk Assessment report to be completed.
- Oct 2012: Baseline Human Health Risk Assessment report to be completed.
- Dec 2012: Remedial Investigation report to be completed.
- Aug 2013: Feasibility Study to be completed.

Record of Decision: In 2014, the "ROD" will select the final remedy for the waste pits & entire site following a public comment period & public meeting.



Initial Assessment of Sampling Results

- Sediment & soil samples.
- Residential soil samples.

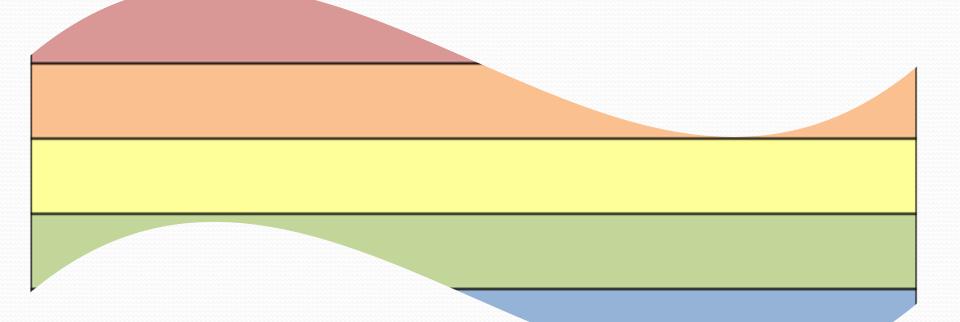




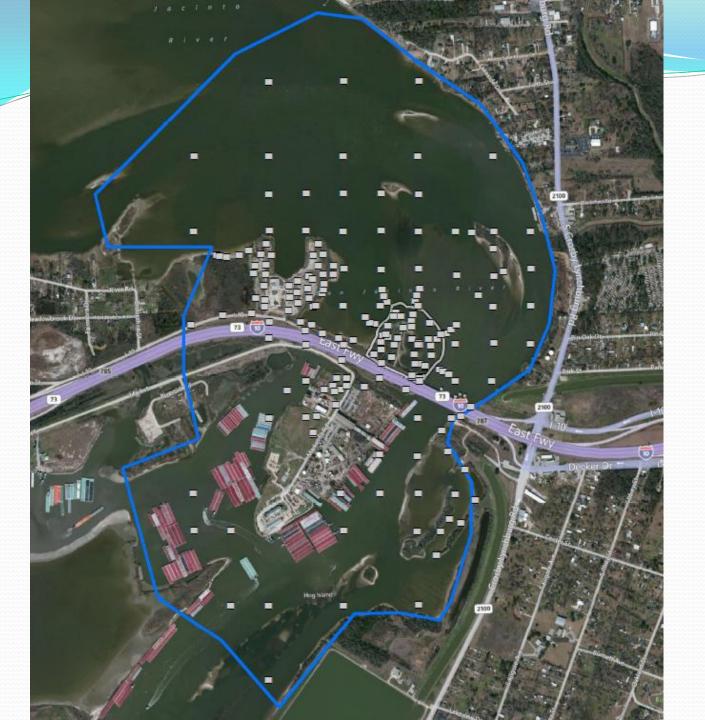
San Jacinto River Waste Pits

Superfund Site Preliminary Risk Results: Color-Coded



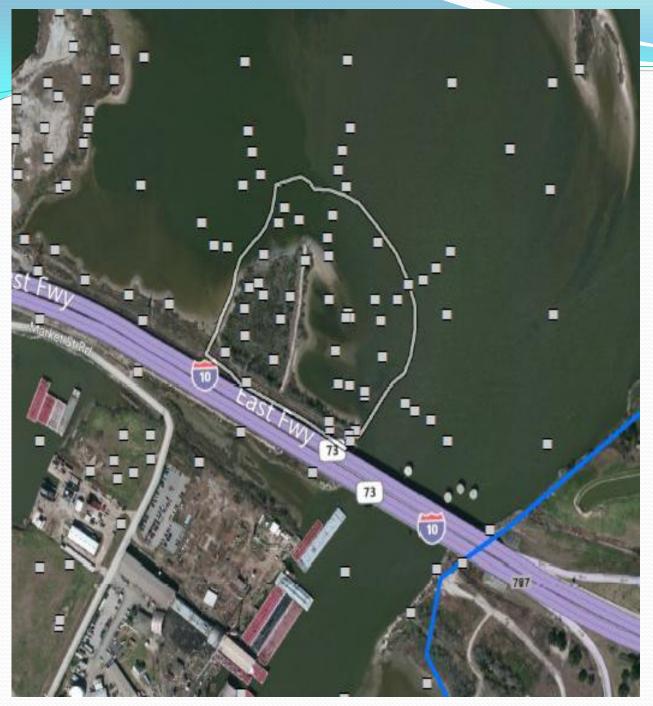






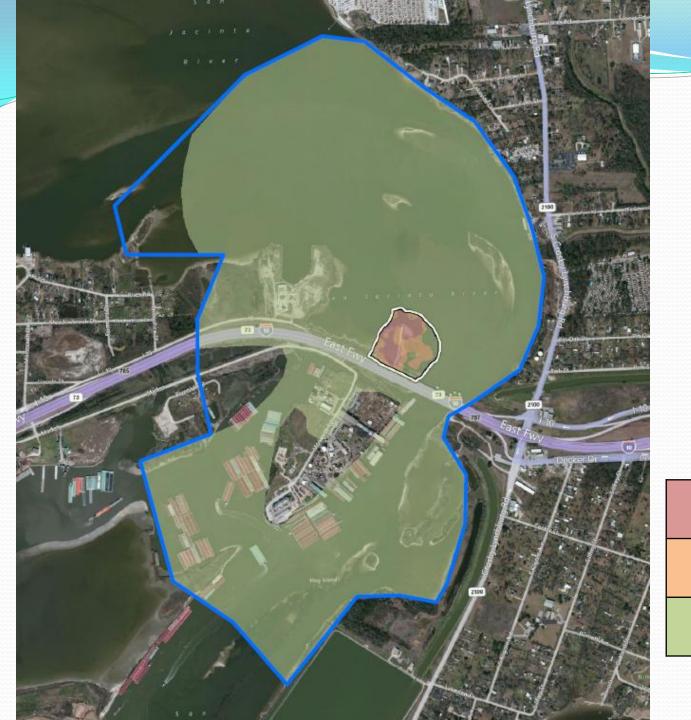
Soil or Sediment Sampling Points





Soil or Sediment Sampling Points in or surrounding the actual Northern **Impoundments**





Preliminary color-coded risk evaluation for surface soils and surface sediments surrounding the site

>5000 ppt TEQ

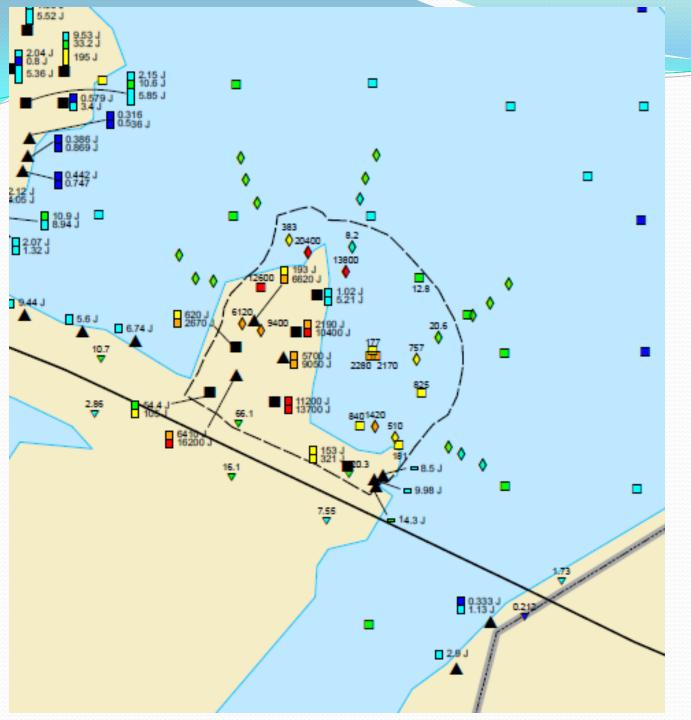
<5000, >665 ppt TEQ

≤665 ppt TEQ









Draft map by Anchor QEA and Integral Consulting Inc.



	Industrial Surface Soil		
	Contact	Ingestion	
>5000 ppt TEQ	Avoid any Contact with soil	Do Not Ingest Soil	
<5000, >665 ppt TEQ	Contact with Soil Should Be Minimized	Accidental Ingestion of Soil Should Be Avoided	
≤665 ppt TEQ	Risk of Periodic Contact with Soil within Acceptable Limits	Risk of Infrequent Accidental Ingestion of Soil within Acceptable Limits	



Industrial Surface Sediment

	Contact	Ingestion	Swimming	Wading
>5000 ppt TEQ	Avoid any Contact with Sediment	Avoid any Accidental Ingestion of Sediment	Do Not Swim	Do Not Wade
<5000, >665 ppt TEQ	Contact with Sediment should be as minimized	Accidental Ingestion of Sediment should be avoided	Avoid Swimming	Avoid Wading
≤665 ppt TEQ	Brief Periods of Contact with Sediment (with reasonable hygiene) within Acceptable Limits	Risk of Infrequent Accidental Ingestion of Sediment within Acceptable Limits	Risk of Infrequent Swimming (with reasonable hygiene) within Acceptable Limits	Risk of Infrequent Wading (with reasonable hygiene) within Acceptable Limits





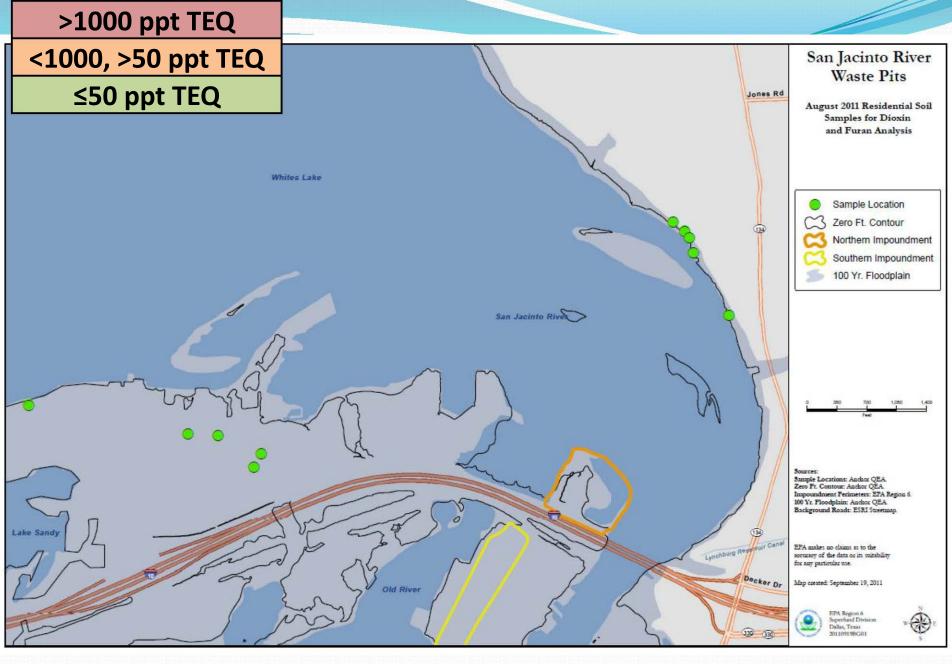
Adhere to all posted Fish Advisories



Environmental Protection









		Residential Surface Soil		
		Contact	Ingestion	
	>1000 ppt	Avoid any Contact with soil	Do Not Ingest Soil	
	<1000, >50ppt TEQ	Contact with soil should be minimized	Accidental Ingestion of soil should be avoided	
	<50 ppt TEQ	Risk of Periodic Contact with Soil (with reasonable hygiene) within Acceptable Limits	Risk of Infrequent Accidental Ingestion of Soil within Acceptable Limits	



For More Information

U.S. EPA

Gary Miller Superfund Remedial Project Manager 214.665.8318 or 1.800.533.3508 (toll-free)

Valmichael Leos Superfund On-Scene Coordinator 214.665.2283 or 1.800.533.3508 (toll-free)

Stephen Tzhone Superfund Remedial Project Manager214.665.8409 or 1.800.533.3508 (toll-free)

Donn Walters Superfund Sr. Community Involvement Coordinator / Public Liaison 214.665.6483 or 1.800.533.3508 (toll-free)

Texas Commission on Environmental Quality

Luda Voskov Project Manager, Superfund Section512.239.6368

Crystal Taylor Community Relations, Superfund Section 512.239.3844

Site RepositoryHighlands Public Library, Stratford Branch
509 Stratford Street, Highlands Texas

San Jacinto Waste Pits Superfund Site on the Internet

www.sanjacintowastepits.com or www.epa.gov/region6/6sf/pdffiles/0606611.pdf

